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Sat, 9 Jun 2007, 1:16:43 PM EST

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Search Query Display

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- [#1](#) ((collaborative updating<in>metadata) <and> (authentication or privilege<in>metadata))
- [#2](#) ((collaborative updating<in>metadata) <and> (acl or (access ocntrl list)<in>metadata))
- [#3](#) ((collaborative updating<in>metadata) <and> (video conference<in>metadata))
- [#4](#) ((collaborative updating<in>metadata) <and> (video conference<in>metadata))
- [#5](#) ((collaborative updating<in>metadata) <and> (realtime<in>metadata))
- [#6](#) ((collaborative updating<in>metadata) <and> (realtime<in>metadata))
- [#7](#) ((updating <in>metadata) <and> (realtime<in>metadata)) <and> (broadcast<in>metadata))
- [#8](#) ((update<in>metadata) <and> (realtime<in>metadata))
- [#9](#) ((update<in>metadata) <and> (realtime<in>metadata))
- [#10](#) ((collaborative update)<in>metadata) <and> (realtime<in>metadata))

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((web or audio or video) near2 conferenc\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$5) with (application\$1 or object\$1) same ((access near2 (right or previlleg\$1 or rule\$1 or condition\$1)) or ACL)	USPAT	OR	OFF	2007/06/09 11:13
L2	4	1 and (@ad<"20010415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 11:21
L3	1	2 and 707/9,10,100.ccls.	USPAT	OR	OFF	2007/06/09 11:46
L4	3	2 and "707"/\$.ccls.	USPAT	OR	OFF	2007/06/09 11:16
L5	13	((web or audio or video) near2 conferenc\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3) with (application\$1 or document\$1 or object\$1) same ((access near2 (right or previlleg\$1 or rule\$1 or condition\$1)) or ACL)	USPAT	OR	OFF	2007/06/09 11:19
L6	7	5 and "707"/\$.ccls.	USPAT	OR	OFF	2007/06/09 11:44
L7	12	5 and ("709"/\$.ccls. or "718"/\$.ccls. or "715"/\$.ccls. or "345"/\$.ccls. or "707"/\$.ccls.)	USPAT	OR	OFF	2007/06/09 11:21
L8	32	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3) with (application\$1 or document\$1 or object\$1) same ((access near2 (right or previlleg\$1 or rule\$1 or condition\$1)) or ACL)	USPAT	OR	OFF	2007/06/09 11:20
L9	35	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3) with (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same ((access near2 (right or previlleg\$1 or rule\$1 or condition\$1)) or ACL)	USPAT	OR	OFF	2007/06/09 11:41
L10	27	9 and ("709"/\$.ccls. or "718"/\$.ccls. or "715"/\$.ccls. or "345"/\$.ccls. or "707"/\$.ccls.)	USPAT	OR	OFF	2007/06/09 11:44

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L11	26	10 and (@ad<"20010415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 11:41
L12	1	11 and 715/513,741,753,758.ccls.	USPAT	OR	OFF	2007/06/09 12:23
L13	16	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same ((access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL)	USPAT	OR	OFF	2007/06/09 11:41
L14	16	13 and (@ad<"20010415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 11:44
L15	196	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL))	USPAT	OR	OFF	2007/06/09 11:56
L16	163	15 and (@ad<"20010415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 11:55
L17	97	16 and ("709"/\$.ccls. or "718"/\$.ccls. or "715"/\$.ccls. or "345"/\$.ccls. or "707"/\$.ccls.)	USPAT	OR	OFF	2007/06/09 11:44
L18	31	17 and "707"/\$.ccls.	USPAT	OR	OFF	2007/06/09 11:45
L19	20	18 and 707/9,10,100,201.ccls.	USPAT	OR	OFF	2007/06/09 12:23
L20	5	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) same (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL))	USPAT	OR	OFF	2007/06/09 11:49

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L21	0	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL) same ((broadcast\$3 or push\$3) with (updat\$3 or modif\$7 or change\$1)))	USPAT	OR	OFF	2007/06/09 11:54
L22	0	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	USPAT	OR	OFF	2007/06/09 11:52
L23	0	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) same ((access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	USPAT	OR	OFF	2007/06/09 11:53
L24	2	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) same ((access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 11:57

EAST Search History

L25	11	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL) same ((broadcast\$3 or push\$3) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 11:54
L27	0	25 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 12:22
L28	14178	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) and (((collaborative near2 updat\$3) or updat\$3 or modif\$7 or chang\$3 or delet\$3) near3 (application\$1 or document\$1 or object\$1 or ((shared near2 resource\$1) or resource\$1)) same (access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or ACL))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 11:56
L29	8	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) same ((access near2 (right or privileg\$1 or rule\$1 or condition\$1)) or authenticat\$5 or ACL) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 11:58
L30	8	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) same ((access near2 (right or privileg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ACL) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 11:58

EAST Search History

L31	8	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) same ((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) same ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:00
L32	0	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) same (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:00
L33	7	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or push\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:18
L34	1	33 and (@ad<"20040115" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 12:01
L35	51	((web or audio or video) near2 conferenc\$3) or chat! or chating or IM or (instance near2 messag\$3) or (white near2 board)) and (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or push\$3 or forward\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:21

EAST Search History

L36	52	((web or audio or video) near2 conferenc\$3) or chat! or chatting or IM or (instance near2 messag\$3) or (white near2 board)) and (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or multi-cast\$3 or push\$3 or forward\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:35
L37	1417234	"52" and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 12:22
L38	1417234	37 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 12:36
L39	12	36 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 12:35
L40	0	39 and 707/9,10,100,201.ccls.	USPAT	OR	OFF	2007/06/09 12:36
L41	0	39 and 715/513,741,753,758.ccls.	USPAT	OR	OFF	2007/06/09 12:37
L42	10	39 and ("709"/\$.ccls. or "718"/\$.ccls.)	USPAT	OR	OFF	2007/06/09 12:28
L43	2	39 and 709/201,203,217.ccls.	USPAT	OR	OFF	2007/06/09 12:37
L44	2	39 and "715"/\$.ccls.	USPAT	OR	OFF	2007/06/09 12:32
L45	348	(collaborative nea2 updat\$3) and (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or multi-cast\$3 or push\$3 or forward\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:36
L46	227	(collaborative nea2 updat\$3) same (((access near2 (right or previlleg\$1 or rule\$1 or permiss\$5 or condition\$1)) or authenticat\$5 or ("ACL" or "access control list")) with ((broadcast\$3 or multi-cast\$3 or push\$3 or forward\$3 or (broad near2 cast\$3)) with (updat\$3 or modif\$7 or change\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 12:36
L47	64	46 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 13:02
L48	4	47 and 707/9,10,100,201.ccls.	USPAT	OR	OFF	2007/06/09 12:36
L49	1	48 and 709/201,203,217.ccls.	USPAT	OR	OFF	2007/06/09 12:37
L50	0	47 and 715/513,741,753,758.ccls.	USPAT	OR	OFF	2007/06/09 12:37
L51	2	47 and 726/2.ccls.	USPAT	OR	OFF	2007/06/09 12:48

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L52	0	(collaborative near2 updat\$3) same (realtime or ((audio or video or voice or web or web-based) near2 conferenc\$3))	USPAT	OR	OFF	2007/06/09 13:01
L53	0	(collaborat\$5 near2 updat\$3) same (realtime or ((audio or video or voice or web or web-based) near2 conferenc\$3))	USPAT	OR	OFF	2007/06/09 13:01
L54	23	(collaborat\$5 near2 updat\$3) and (realtime or ((audio or video or voice or web or web-based) near2 conferenc\$3))	USPAT	OR	OFF	2007/06/09 13:02
L55	27	(collaborat\$5 near2 updat\$3) and (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3))	USPAT	OR	OFF	2007/06/09 13:02
L56	27	55 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 13:19
L57	0	(collaborat\$5 near2 updat\$3) and (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	USPAT	OR	OFF	2007/06/09 13:22
L58	0	(collaborat\$5 near2 updat\$3) and ((realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list")))	USPAT	OR	OFF	2007/06/09 13:15
L59	229	(collaborat\$5 or push\$3 or broadcast\$3 or (broad near2 cast\$3) near2 updat\$3) and ((realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:19

EAST Search History

L60	49	(collaborat\$5 or push\$3 or broadcast\$3 or (broad near2 cast\$3) near2 updat\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:20
L61	12	60 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 13:21
L62	72	(collaborat\$5 or push\$3 or broadcast\$3 or multi-cast\$3 or multicast\$3 or (broad near2 cast\$3) near2 updat\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:22
L63	19	62 and (@ad<"20040415" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 13:25
L64	72	(collaborat\$5 or push\$3 or broadcast\$3 or multi-cast\$3 or multicast\$3 or (broad near2 cast\$3) with updat\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:22
L65	27	(collaborat\$5 near2 updat\$3) and (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3))	USPAT	OR	OFF	2007/06/09 13:22
L66	3	(collaborat\$5 near2 updat\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:24

EAST Search History

L67	4795	((collaborat\$5 near2 updat\$3) or updat\$3 or modif\$6 or chang\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:24
L68	48	((collaborat\$5 near2 updat\$3) or updat\$3 or modif\$6 or chang\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:25
L69	48	((collaborat\$5 or distribut\$3) near2 updat\$3) or updat\$3 or modif\$6 or chang\$3) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:27
L70	19	62 and (@ad<"20040115" or @rlad<"20040115")	USPAT	OR	OFF	2007/06/09 13:25
L71	0	((collaborat\$5 or distribut\$3) near2 updat\$3) or (((broad near2 cast\$3) or multicast\$3)) near5 (updat\$3 or modif\$6 or chang\$3)) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:28
L72	0	((collaborat\$5 or distribut\$3) near2 updat\$3) or (((broad near2 cast\$3) or multicast\$3)) with (updat\$3 or modif\$6 or chang\$3)) same (realtime or (white near2 board\$3) or ((audio or video or voice or web or web-based) near2 conferenc\$3)) same ((access near2 (right\$1 or priveleg\$1 or condition\$1 or rule\$1)) or authenticat\$5 or (ACL or "access control list"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/09 13:28



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Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐1 [Requirements for scalable access control and security management architectures](#)

Angelos D. Keromytis, Jonathan M. Smith

May 2007 **ACM Transactions on Internet Technology (TOIT)**, Volume 7 Issue 2

Publisher: ACM Press

Full text available: [pdf\(365.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Maximizing local autonomy by delegating functionality to end nodes when possible (the end-to-end design principle) has led to a scalable Internet. Scalability and the capacity for distributed control have unfortunately not extended well to resource access-control policies and mechanisms. Yet management of security is becoming an increasingly challenging problem in no small part due to scaling up of measures such as number of users, protocols, applications, network elements, topological constr ...

Keywords: Large-scale systems, access control, authorization, credentials, delegation, distributed systems, security policy, trust management

2 [Improving the granularity of access control for Windows 2000](#)

Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Garg, Shannon Chan, Mario Goertzel, Gregory Jensenworth

November 2002 **ACM Transactions on Information and System Security (TISSEC)**

Volume 5 Issue 4

Publisher: ACM Press

Full text available: [pdf\(447.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This article presents the mechanisms in Windows 2000 that enable fine-grained and centrally managed access control for both operating system components and applications. These features were added during the transition from Windows NT 4.0 to support the Active Directory, a new feature in Windows 2000, and to protect computers connected to the Internet. While the access control mechanisms in Windows NT are suitable for file systems and applications with simple requirements, they fall short of the ...

Keywords: Access control lists, Microsoft Windows 2000, Windows NT, active directory

3

[Secure collaboration: A usage-based authorization framework for collaborative](#)

computing systems

Xinwen Zhang, Masayuki Nakae, Michael J. Covington, Ravi Sandhu

June 2006 **Proceedings of the eleventh ACM symposium on Access control models and technologies SACMAT '06**

Publisher: ACM Press

Full text available:  pdf(346.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Collaborative systems such as Grids provide efficient and scalable access to distributed computing capabilities and enable seamless resource sharing between users and platforms. This heterogeneous distribution of resources and the various modes of collaborations that exist between users, virtual organizations, and resource providers require scalable, flexible, and fine-grained access control to protect both individual and shared computing resources. In this paper we propose a usage control (UCO)

Keywords: UCON, access control, authorization, collaborative computing, security architecture, usage control


4 RBAC for Collaborative Environments: An infrastructure for managing secure update operations on XML data



Elisa Bertino, Giovanni Mella, Gianluca Correndo, Elena Ferrari

June 2003 **Proceedings of the eighth ACM symposium on Access control models and technologies SACMAT '03**

Publisher: ACM Press

Full text available:  pdf(317.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citing terms](#), [index terms](#)

Secure exchange of data over the web is becoming more and more important today. By secure data exchange we mean that privacy and integrity are ensured when documents flow among different parties. A key issue in this scenario is how to ensure that web documents, when moving among different parties, are modified only according to the stated access control policies. To cope with such an issue, in this paper we propose a distributed infrastructure that enable subjects to verify, upon receiving a doc

Keywords: XML, distributed updates, integrity check protocols

5 A taxonomy of Data Grids for distributed data sharing, management, and processing



Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao

June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.70 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance networking and wide-area storage management techniques. In this article, we discuss the key concepts behind Data Grids and compare them with other data sharing and distribution paradigms such as content delivery networks, peer-to-peer n

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

6 Flexible control of downloaded executable content

Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam

May 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2

Issue 2

**Publisher:** ACM Press

Full text available: pdf(297.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a security architecture that enables system and application access control requirements to be enforced on applications composed from downloaded executable content. Downloaded executable content consists of messages downloaded from remote hosts that contain executables that run, upon receipt, on the downloading principal's machine. Unless restricted, this content can perform malicious actions, including accessing its downloading principal's private data and sending messages on the

Keywords: access control models, authentication, authorization mechanisms, collaborative systems, role-based access control

7 [Building flexible groupware through open protocols](#)



Mark Roseman, Saul Greenberg

December 1993

Proceedings of the conference on Organizational computing systems COCS '93**Publisher:** ACM Press

Full text available: pdf(1.09 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: expandability, implementation technique, open protocols, personalizable groupware

8 [Improving the granularity of access control in Windows NT](#)



Michael M. Swift, Peter Brundrett, Cliff Van Dyke, Praerit Garg, Anne Hopkins, Shannon Chan, Mario Goertzel, Gregory Jensenworth

May 2001

Proceedings of the sixth ACM symposium on Access control models and technologies SACMAT '01**Publisher:** ACM Press

Full text available: pdf(259.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents the access control mechanisms in Windows 2000 that enable fine-grained protection and centralized management. These mechanisms were added during the transition from Windows NT 4.0 to support the Active Directory, a new feature in Windows 2000. We first extended entries in access control lists to allow rights to apply to just a portion of an object. The second extension allows centralized management of object hierarchies by specifying more precisely how access control lists ...

Keywords: Windows 2000, access control lists

9 [Secure virtual enclaves: Supporting coalition use of distributed application technologies](#)

May 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4

Issue 2

Publisher: ACM Press

Full text available: pdf(462.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to share their distributed application objects, while respecting organizational

autonomy over local resources. The infrastructure is transparent to applications, which may be accessed via a web server, or may be based on Java or Microsoft's DCOM. The SVE infrastructure is implemented in middleware, with no modifications to COTS operating systems or network protocols. The system enables dynamic updates to ...


Keywords: Access control, coalition, collaborative system, group communication, middleware, security policy

10 XML access control: Access control of XML documents considering update operations

Chung-Hwan Lim, Seog Park, Sang H. Son

October 2003 **Proceedings of the 2003 ACM workshop on XML security XMLSEC '03**

Publisher: ACM Press

Full text available:  pdf(298.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As a large quantity of information is presented in XML format on the Web, there are increasing demands for XML security. Until now, research on XML security has been focused on the security of data communication using digital signatures or encryption technologies. As XML is also used for a data representation of data storage, XML security comes to involve not only communication security but also managerial security. Managerial security is guaranteed through access control, but existing XML access

Keywords: XML document, XML update, access control

11 Requirements of role-based access control for collaborative systems

Trent Jaeger, Atul Prakash

December 1996 **Proceedings of the first ACM Workshop on Role-based access control RBAC '95**

Publisher: ACM Press



Full text available:  pdf(824.83 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Exploiting perception in high-fidelity virtual environments: Exploiting perception in high-fidelity virtual environments

Additional presentations from the 24th course are available on the citation page

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
July 2006 **ACM SIGGRAPH 2006 Courses SIGGRAPH '06**

Publisher: ACM Press

Full text available:  pdf(5.07 MB)  mov(68:6 MIN) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [cited by](#)

The objective of this course is to provide an introduction to the issues that must be considered when building high-fidelity 3D engaging shared virtual environments. The principles of human perception guide important development of algorithms and techniques in collaboration, graphical, auditory, and haptic rendering. We aim to show how human perception is exploited to achieve realism in high fidelity environments within the constraints of available finite computational resources. In this course w ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

- 13** URSA: ubiquitous and robust access control for mobile ad hoc networks

Haiyun Luo, Jiejun Kong, Petros Zerfos, Songwu Lu, Lixia Zhang

December 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 6

Publisher: IEEE Press

Full text available: [pdf \(836.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citing index](#), [terms](#), [review](#)

Restricting network access of routing and packet forwarding to well-behaving nodes and denying access from misbehaving nodes are critical for the proper functioning of a mobile ad-hoc network where cooperation among all networking nodes is usually assumed. However, the lack of a network infrastructure, the dynamics of the network topology and node membership, and the potential attacks from inside the network by malicious and/or noncooperative selfish nodes make the conventional network access co ...

Keywords: mobile ad hoc networks, self-organized access control

- ## 14 Policies and roles in collaborative applications

 W. Keith Edwards
November 1996 **D-**

November 1996 **Proceedings of the 1996 ACM conference on Computer supported cooperative work CSCW '96**

Publisher: ACM Press

Full text available: pdf(1.28 MB) Additional Information: full citation, references, citations, Index terms

Keywords: Intermezzo, access control, computer-supported cooperative work, infrastructure, policies, roles

- ## 15 Cryptography and data security

Dorothy Elizabeth Robling Denning

January 1982 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: pdf(19.47 MB)

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

- ## 16 Distributed collaborative key agreement and authentication protocols for dynamic peer groups

Patrick P. C. Lee, John C. S. Lui, David K. Y. Yau

April 2006 **IEEE/ACM Transactions on Networking (TON)**, Volume 14 Issue 2

Publisher: IEEE Press

Full text available: pdf(837.49 KB) Additional Information: full citation, abstract, references, index terms

We consider several distributed collaborative key agreement and authentication protocols for dynamic peer groups. There are several important characteristics which make this

problem different from traditional secure group communication. They are: 1) distributed nature in which there is no centralized key server; 2) collaborative nature in which the group key is contributory (i.e., each group member will collaboratively contribute its part to the global group key); and 3) dynamic nature in which ...

Keywords: authentication, dynamic peer groups, group key agreement, rekeying, secure group communication, security

17 Trust management: Secure collaboration in mediator-free environments



Mohamed Shehab, Elisa Bertino, Arif Ghafoor

November 2005 **Proceedings of the 12th ACM conference on Computer and communications security CCS '05**

Publisher: ACM Press

Full text available: pdf(219.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The internet and related technologies have made multidomain collaborations a reality. Collaboration enables domains to effectively share resources; however it introduces several security and privacy challenges. Managing security in the absence of a central mediator is even more challenging. In this paper, we propose a distributed secure interoperability framework for mediator-free collaboration environments. We introduce the idea of secure access paths which enables domains to make localized acc ...

Keywords: access path, collaboration, decentralized secure interoperability, path discovery, role based access control

18 Role-based access control on the web



Joon S. Park, Ravi Sandhu, Gail-Joon Ahn

February 2001 **ACM Transactions on Information and System Security (TISSEC)** Volume 4 Issue 1

Publisher: ACM Press

Full text available: pdf(331.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Current approaches to access control on the Web servers do not scale to enterprise-wide systems because they are mostly based on individual user identities. Hence we were motivated by the need to manage and enforce the strong and efficient RBAC access control technology in large-scale Web environments. To satisfy this requirement, we identify two different architectures for RBAC on the Web, called user-pull and server-pull. To demonstrate feasibility, we im ...

Keywords: WWW security, cookies, digital certificates, role-based access control

19 Intelligible access control: Intentional access management: making access control usable for end-users



Xiang Cao, Lee Iverson

July 2006 **Proceedings of the second symposium on Usable privacy and security SOUPS '06**

Publisher: ACM Press

Full text available: pdf(530.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The usability of access control mechanisms in modern distributed systems has been widely criticized but little studied. In this paper, we carefully examine one such widely deployed access control mechanism, the one embedded in the WebDAV standard, from the point-of-view of an end-user trying to decide how to grant or deny access to some

resource to a third party. This analysis points to problems with the *conceptual usability* of the system. Significant effort is required on the part of the ...


Keywords: WebDAV, access control, intentional access management, usability

20 Computing curricula 2001

 September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available:  pdf(613.63 KB)

 html(2.78 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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